

* SWBAT apply pressure, terminal velocity, and friction using $F=ma$

Sep 6-2:31 PM

Welcome!!!

SECA Physics
Tuesday 29 October 2013

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* Pick up:

- slip of paper (for later)
- worksheet

Centering...

Opening Question:

1) What's the difference between speed and velocity?

2) How does it look to you if you are driving next to a car and the other car suddenly brakes?

LOOKS LIKE THEY WENT
BACKWARDS, BUT THAT'S COMPARED TO
YOU
- SLOWED DOWN -

SPEED + DIRECTION

Sep 7-7:04 AM

TPS:

When skydivers open their parachutes,
do they go up?

YES 2CATCHES AIR
→ PULLS UP ←VIDEO: SEE
PERSON FLIES UP

BACK TOWARD THE PLANE

Ø

NOLIKE CAR NEXT
TO YOU SLOWING
DOWNFORCE IS UP, BUT
STILL FALLING

Oct 29-7:19 AM

Worksheet on Friction, Air Resistance, Terminal Velocity,
Net Forces, and $F = ma$

- Do back side first (pg 26)

SKY DIVER



$a = 0$
CONST. SPEED

FALLING OBJECT
STOPS ACCELERATING

$$a = \frac{F_{\text{NET}}}{m} = \frac{W - R}{m}$$

W - R
AIR
RESIST.

BRONCO'S
MASS IS
100 kg

Video - How forces affect a skydiver

Nov 2-7:47 AM

Daily 3 Questions

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

CP homework - give
examples of friction and
pressure from daily life

You can't get your points if you don't have your NAME!!!

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. Terminal velocity means:
 - A. air resistance
 - B. a force due to gravity
 - ☒ C. a falling object has stopped accelerating

2. Did Bronco ever experience an upward velocity (moving upward)?

No!

3. What is one position in which Bronco experienced terminal velocity?

C or F

Sep 14-7:28 AM